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ILL.E.P.A. - D.L.P.C.  
NORTHERN REGION

December 15, 1975

Illinois Environmental Protection Agency  
Division of Land Pollution Control  
Permit Unit  
2200 Churchill Road  
Springfield, Illinois 62706

Attention: Mr. Thomas E. Cavanagh, Jr.,  
Manager

SUBJECT: Cook County  
Palos Hills/Carlson (Dea Pit)

Dear Mr. Cavanagh:

The subject site is closed and covered. Pursuant to the requirements of Rule 313 of the Solid Waste Rules and Regulations of Illinois, we are hereby proposing a system of gas, water and settling monitoring which is to be conducted by the owner of the site for a period of three years from the date of December 3, 1975, the date of the final inspection by I.E.P.A. The system of monitoring is as follows:

- (1) On or before the 15th day of January, April, July and October of the years 1976, 1977 and 1978 the monitor wells designated on the attached plan labelled Exhibit A will be sampled and analyzed for chlorides, iron and total dissolved solids and results shall be reported to the Illinois E.P.A., Division of Land Pollution Control.
- (2) Each January, April, July and October of the years 1976, 1977 and 1978 the surface of the landfill site will be inspected by the owner of the site and if settling has occurred to an extent which would cause ponded water he will cause proper remedial actions to be undertaken at the earliest practicable time. A brief written description of the condition of the surface and any proposed remedial actions will be transmitted to the Illinois E.P.A., Division of Land Pollution Control.



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- (3) Each January, April, July and October of the years 1976, 1977 and 1978; and at such more frequent intervals as may be necessary the area surrounding the site will be inspected to ascertain whether any development, construction or activity has occurred which could be threatened by the migration of gas from the landfill. If conditions are discovered which could create a hazard due to gas generation and/or migration from the landfill the hazard will be immediately brought to the attention of all affected persons. The inactive gas vents currently located on the site shall be immediately vented to the atmosphere and any additional gas vents shall be installed as necessary to protect the threatened development, construction or activity. Under normal circumstances the gases generated by decomposing refuse would be expected to migrate through the top cover of the landfill and vent to the atmosphere. However, during extended periods of saturated or frozen earth the top surface of the landfill may become less pervious and the capacity to vent the gases less effective. Although heat generated within the fill will reduce the likelihood of extended periods of frozen surface, it may occur in severe cold weather. The site owner shall exercise due care in monitoring gas from the landfill for a period of at least three (3) years.

Within sixty days of this date the Recorder of Deeds, Cook County, will have filed a detailed description of the site with a clear statement of the use as a sanitary landfill.

Your review of this proposal would be greatly appreciated. Unless we are instructed otherwise, the initial monitoring will take place as presented herein, beginning in January, 1976.

Sincerely,



James Douglas Andrews, P.E.  
Environmental Engineer

JDA:csc

cc: Northern Region ✓  
Harry Carlson  
Arthur J. Turek

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